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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; transform: rotate(-15deg);"> OFFICE JAN 24 2005 MAILED </div>		Application Number 10/625,840	Filing Date July 23, 2003
		First Named Inventor David M. Haugen		Group Art Unit 3672	
		Examiner Name Unknown		Attorney Docket Number WEAT/0116.C1	
		Customer No. 36735		Submission Date January 13, 2005	
Sheet	1	of	12		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ² (if known)				
JW	A1	US-2,167,338	07-25-1939	Murcell	<div style="font-size: 4em; transform: rotate(-45deg); position: relative; top: 50%; left: 50%;"> X </div>	
	A2	US-2,228,503	01-14-1941	Boyd, et al.		
	A3	US-2,370,832	03-06-1945	Baker		
	A4	US-2,379,800	07-03-1945	Hare		
	A5	US-2,414,719	01-21-1947	Cloud		
	A6	US-2,720,267	10-11-1955	Brown		
	A7	US-2,741,907	06-06-1997	Genender, et al.		
	A8	US-3,008,415	10-31-1961	Burns, et al.		
	A9	US-3,041,901	07-03-1962	Knights		
	A10	US-3,054,100	09-11-1962	Jones		
	A11	US-3,090,031	05-14-1963	Lord		
	A12	US-3,111,179	11-19-1963	Albers, et al.		
	A13	US-3,117,636	01-24-1964	Wilcox, et al.		
	A14	US-3,124,023	3-10-1964	Marquis, et al.		
	A15	US-3,131,769	05-05-1964	Rochemont		
	A16	US-3,103,116	07-06-1965	Kennedy, et al.		
	A17	US-3,419,079	12-31-1968	Current		
	A18	US-3,548,936	12-22-1970	Kilgore, et al.		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
JW	B1	CA 2 335 192	11-30-2001	Kozak		
	B2	DE 3 523 221	02-01-1987	Svetozar		
	B3	DE 3 918 132	12-14-1989	Eriksson		
	B4	EP 0 474 481	03-11-1992	Moody		
	B5	EP 0 087 373	08-31-1983	Plaquin		

Examiner <u>JW</u>	Date Considered <u>4/13/05</u>
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** previously cited on PTO-1449 (12082003)*

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PTO/SB/023 (C3-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of

12

Application Number

10/625,840

Filing Date

July 23, 2003

First Named Inventor

David M. Haugen

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0116.C1

Customer No.

36735

Submission Date

January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SW	A19	US-3,552,507	01-05-1971	Brown	Class Sub
	A20	US-3,552,848	01-05-1971	Van Wagner	
*	A21	US-3,666,605	03-02-1971	Martin	
	A22	US-3,602,302	08-31-1971	Kluth	
	A23	US-3,606,664	09-21-1971	Weiner	
*	A24	US-3,695,105	04-18-1972	Dickmann, et al.	
	A25	US-3,680,412	08-01-1972	Mayer, et al.	
*	A26	US-3,691,625	09-10-1972	Dyer	
	A27	US-3,696,332	10-03-1972	Dickson, Jr., et al.	
	A28	US-3,776,320	12-04-1973	Brown	
*	A29	US-3,778,001	12-04-1973	Marcus	
*	A30	US-3,840,684	11-19-1974	West	
*	A31	US-3,857,450	12-01-1974	Culer	
*	A32	US-3,840,887	10-21-1975	Gyongyosi, et al.	
	A33	US-4,054,332	10-18-1977	Bryan, Jr.	
	A34	US-4,095,885	06-20-1978	Denison, et al.	
	A35	US-4,127,927	12-05-1978	Hauk, et al.	
	A36	US-4,194,383	03-25-1980	Huzyak	

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		Number-Kind Code ² (if known)				
SW	B6	EP 0 162 000	11-21-1985	Hamilton		
	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
	B8	EP 0 285 386	10-05-1988	Haney		
	B9	EP 0 426 123	05-08-1991	Reis, et al.		
	B10	EP 0 525 247	02-03-1993	Willis		

Examiner

Date Considered

4/13/05

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* previously cited on PTO1449 (2082003)

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PTO/SB/083 (08-03)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number		10/625,840	
		Filing Date		July 23, 2003	
		First Named Inventor		David M. Haugen	
		Group Art Unit		3672	
		Examiner Name		Unknown	
		Attorney Docket Number		WEAT/0116.C1	
		Customer No.		36735	
Sheet	3	of	12	Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
gfw	A37	US-4,227,197	10-07-1980	Nimmo, et al.	
	A38	US-4,241,878	12-30-1980	Underwood	
	A39	US-4,277,197	07-07-1981	Bingham	
	A40	US-4,280,380	07-28-1981	Eshghy	
	A41	US-4,311,195	01-19-1982	Mullins, II	
	A42	US-4,392,534	07-12-1983	Milda	
	A43	US-4,407,378	10-04-1983	Thomas	
	A44	US-4,427,063	01-24-1984	Skinner	
	A45	US-4,437,083	03-20-1984	Haynes	
	A46	US-4,445,734	05-01-1984	Cunningham	
	A47	US-4,449,596	05-22-1984	Boydjoff	
	A48	US-4,494,424	01-22-1985	Bates	
	A49	US-4,529,046	07-16-1985	Boydjoff, et al.	
	A50	US-4,570,706	02-18-1986	Pagnet	
A51	US-4,592,125	06-03-1986	Skene		
A52	US-4,593,773	08-10-1986	Skene		
A53	US-4,605,268	08-12-1986	Meador		
A54	US-4,615,388	12-02-1986	Boydjoff		

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
gfw	B11	EP 0 589 823	03-03-1994	Busink, et al.		
	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.		
	B13	EP 0 790 386	08-20-1997	Newton, et al.		
	B14	EP 0 881 354	04-24-1998	Vercaemen, et al.		
	B15	EP 0 962 384	12-08-1999	Poldervaart		

Examiner

Date Considered

4/13/05

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** previously cited on PTO 1449 (2082003)*

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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

Sheet 4 of 12

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
zw.	A55	US-4,646,827	03-03-1987	Cobb	Class Sub
	A56	US-4,640,777	03-17-1987	Buck	
	A57	US-4,667,752	05-26-1987	Berry, et al.	
	A58	US-4,676,312	06-30-1987	Mosing, et al.	
	A59	US-4,683,962	08-04-1987	True	
	A60	US-4,691,587	09-08-1987	Farrand, et al.	
	A61	US-4,709,599	12-01-1987	Buck	
	A62	US-4,709,766	12-01-1987	Boyadjieff	
	A63	US-4,738,145	04-19-1988	Vincent, et al.	
	A64	US-4,742,876	05-10-1988	Barthelemy, et al.	
zw.	A65	US-4,799,239	07-26-1988	Hamilton, et al.	
	A66	US-4,785,401	06-29-1988	Boyadjieff	
	A67	US-4,773,689	03-27-1988	Wolters	
	A68	US-4,775,009	10-04-1988	Wittrisch, et al.	
	A69	US-4,781,359	11-01-1988	Matus	
	A70	US-4,788,544	11-29-1988	Howard	
	A71	US-4,781,885	12-28-1988	Krasnov	
	A72	US-4,793,422	12-27-1988	Krasnov	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
zw.	B16	EP 1 256 691	11-13-2002	Hawkins, et al.		
	B17	FR 2 841 293	12-26-2003	Bouygues Offshore		
	B18	GB 2 115 940	09-14-1983	Plaquin		
	B19	GB 2 224 481	09-05-1990	Voeten		
	B20	GB 2 275 486	04-15-1993	Eiane, et al.		

Examiner

Date Considered

4/13/05

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* previously cited P01449 (12082003)

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PTO/SB/08a (03-03)

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		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0116.C1
Customer No.	36735	Submission Date	January 13, 2005
Sheet	5	of	12

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<i>3. W.</i>	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Stator	
	A77	US-4,867,230	09-19-1989	Haney, et al.	
	A78	US-4,878,548	11-07-1989	Shaw, et al.	
	A79	US-4,901,069	02-13-1990	Veneruso	
	A80	US-4,936,382	06-26-1990	Thomas	
	A81	US-4,962,579	10-16-1990	Moyer, et al.	
	A82	US-5,009,200	04-23-1991	Barbey, et al.	
	A83	US-5,038,027	08-08-1991	Willie	
	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
	A86	US-5,191,932	03-09-1993	Seefried, et al.	
	A87	US-5,224,540	07-06-1993	Streich, et al.	
	A88	US-5,233,742	08-10-1993	Gray, et al.	
	A89	US-5,245,265	09-14-1993	Clay	
	A90	US-5,251,700	10-12-1993	Richardson	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
<i>3. W.</i>	B21	GB 2 294 715	08-05-1996	Tibbitts		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		
	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
	B25	GB 2 372 765	09-04-2002	Head		

Examiner

Date Considered 4/13/05

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* previously cited in PTO 1449 (12082003)

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PTO/SB/08a (09-03)

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		Group Art Unit		3672			
		Examiner Name		Unknown			
		Attorney Docket Number		WEAT/0116.C1			
Customer No.		36735		Submission Date		January 13, 2005	
Sheet	6	of	12				

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3W	A91	US-5,271,488	12-21-1993	Streich, et al.	<div style="position: relative; height: 100%;"> </div>
	A92	US-5,305,839	04-26-1994	Kalsi, et al.	
	A93	US-5,332,043	07-26-1994	Ferguson	
*	A94	US-5,351,767	10-04-1994	Stogner, et al.	
*	A95	US-5,686,831	02-14-1999	Berry	
3W	A96	US-5,394,823	03-07-1995	Lenze	
*	A97	US-5,433,279	07-18-1995	Lassner, et al.	
3W	A98	US-5,494,122	02-27-1996	Larsen, et al.	
*	A99	US-5,394,823	03-28-1996	Berry	
*	A100	US-5,508,034	04-02-1996	Chantler	
3W	A111	US-5,540,279	07-30-1996	Branch, et al.	
	A112	US-5,542,472	08-06-1996	Pringle, et al.	
	A113	US-5,542,473	08-06-1996	Pringle, et al.	
*	A114	US-5,559,670	09-10-1996	Smith, Jr., et al.	
*	A115	US-5,575,566	11-26-1996	Albright, et al.	
*	A116	US-5,646,181	07-08-1997	Treviolo	
3W	A117	US-5,706,894	01-13-1998	Hawkins, III	
*	A118	US-5,781,440	08-11-1998	Castillo, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
3W	B26	GB 709 365	05-19-1954	Standard Oil Development		
	B27	GB 716 761	10-13-1954	Standard Oil Development		
	B28	GB 881 358	11-01-1961	Kammerer, et al.		
	B29	GB 2 350 137	11-22-2000	Baugh, et al.		
	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		

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3W

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previously cited 1449 (12082003)

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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/625,840
		Filing Date	July 23, 2003
		First Named Inventor	David M. Haugen
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0116.C1
Customer No.	36735	Submission Date	January 13, 2005
Sheet	7	of	12

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A110	US-5,803,103	09-08-1998	Mackintosh	
3.W.	A120	US-5,813,456	09-29-1998	Milner, et al.	
	A121	US-5,836,385	11-17-1998	Bridg	
3.W.	A122	US-5,839,515	11-24-1998	Yuan, et al.	
	A123	US-5,850,877	12-22-1998	Albright, et al.	
	A124	US-5,907,664	05-25-1999	Wang, et al.	
	A125	US-5,909,766	06-08-1999	Casillo, et al.	
3.W.	A126	US-5,971,086	10-26-1999	Bee, et al.	
	A127	US-5,984,007	11-16-1999	Yuan, et al.	
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	A130	US-6,070,500	06-06-2000	Dlast, et al.	
3.W.	A131	US-6,079,498	06-27-2000	Lima, et al.	
	A132	US-6,079,509	06-27-2000	Bee, et al.	
	A133	US-6,142,545	11-07-2000	Penman, et al.	
	A134	US-6,161,617	12-19-2000	Gjedebo	
	A135	US-6,173,777	01-16-2001	Mullins	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B31	WO 00/39429	07-06-2000	Pietras		
	B32	WO 00/39430	07-06-2000	Pietras		
3.W.	B33	WO 00/46484	08-10-2000	Van Buren, et al.		
	B34	WO 00/66879	11-09-2000	Hawkins, et al.		
	B35	WO 02/081863	10-17-2002	Simpson, et al.		

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a previously cited on 1449 (12082003)

Substitute for form 1449A/PTO		Application Number	10/625,840
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	July 23, 2003
		First Named Inventor	David M. Haugen
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0116.C1
(Use as many sheets as necessary)		Customer No.	36735
Sheet	8	of	12
		Submission Date	January 13, 2005

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		Number-Kind Code ² (if known)			
JWH	A137	US-6,223,823	05-01-2001	Head	Klas 2 Sub
	A138	US-6,227,587	05-08-2001	Terral	
	A139	US-6,275,938	08-14-2001	Bond, et al.	
	A140	US-6,290,432	09-18-2001	Exley, et al.	
	A141	US-6,305,469	10-23-2001	Coenen, et al.	
	A142	US-6,309,002	10-30-2001	Bouligny	
	A143	US-6,349,764	02-26-2002	Adams, et al.	
	A144	US-6,360,633	03-26-2002	Pietras	
	A145	US-6,367,566	04-09-2002	Hill	
	A146	US-6,374,506	04-23-1993	Clay	
	A147	US-6,392,317	05-21-2002	Hall, et al.	
	A148	US-6,429,784	08-06-2002	Beique, et al.	
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	A150	US-6,446,723	09-10-2002	Ramons, et al.	
	A151	US-6,622,796	09-23-2003	Pietras	
A152	US-6,648,075	11-18-2003	Badrak, et al.		
A153	US-6,688,394	02-10-2004	Ayling		
A154	US-6,691,801	02-17-2004	Juhasz, et al.		

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
JWH	B36	WO 02/44601	06-06-2002	Appleford, et al.		
	B37	WO 03/087525	10-23-2003	Vincent, et al.		
	B38	WO 93/07358	04-15-1993	Eiane, et al.		
	B39	WO 98/18799	06-20-1996	Stokka		
	B40	WO 98/05844	02-12-1998	Stokka		

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				Filing Date	July 23, 2003
				First Named Inventor	David M. Haugen
				Group Art Unit	3672
				Examiner Name	Unknown
				Attorney Docket Number	WEAT/0116.C1
				Customer No.	36735
				Submission Date	January 13, 2005
Sheet	9	of	12		

U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
Z.W.	A155	US-6,698,595	03-02-2004	Norell, et al.	<div>class 346</div> <div>Figures Appear</div>
	A156	US-6,725,938	04-27-2004	Plates	
Z.W.	A157	US-6,742,596	06-01-2004	Haugen	
	A158	US-6,742,606	06-01-2004	Metcalfe, et al.	
	A159	US-2002/0070842	04-17-2003	Bailey, et al.	
	A160	US-2002/0108748	08-15-2002	Keyes	
	A161	US-2003/0029641	02-13-2003	Meehan	
	A162	US-2003/0056947	03-27-2003	Cameron	
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	A164	US-2003/0164251	09-04-2003	Tulloch	
	A165	US-2003/0173090	09-18-2003	Cook, et al.	
	A166	US-2003/0213598	11-20-2003	Hughes	
	A167	US-2004/0003944	01-08-2004	Vincent, et al.	
	A168	US-2004/000405	01-01-2004	Fournier, Jr., et al.	
	A169	US-2004/0011534	01-22-2004	Simonds, et al.	
	A170	US-2004/0060697	04-01-2004	Tilton, et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ² (if known)				
Z.W.	B41	WO 99/4322	05-19-1998	Cofodato		
	B42	WO 99/82046	07-30-1998	Plates		
	B43	WO 99/35368	07-15-1999	Lohbeck, et al.		
	B44	WO 99/44485	08-19-1999	Plates		
	B45	WO 99/58810	11-18-1999	Abrahamsen, et al.		

Examiner		Date Considered	4/13/05
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* previously cited PTO-1449 (06102004)



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/625,840
		Filing Date	July 23, 2003
		First Named Inventor	David M. Haugen
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0116.C1
Customer No.	36735	Submission Date	January 13, 2005
Sheet	10	of	12

U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
3W	A173	US-2004/0108142	06-10-2004	Vail, III	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> CLASS SUB </div>
	A174	US-2004/0112646	06-17-2004	Vail	
	A175	US-2004/0118613	06-24-2004	Vail	
	A176	US-2004/0123984	07-01-2004	Vail	
	A177	US-2004/0124015	07-01-2004	Valle, et al.	
	A178	US-2004/0129456	07-08-2004	Vail	
	A179	US-2004/0140128	07-22-2004	Vail	
	A180	US-2004/0173358	09-09-2004	Haugen	
	A181	US-2004/0216925	11-04-2004	Metcalf, et al.	
	A182	US-2004/0112646	06-17-2004	Vail	
	A183	US-Re 34,063	09-15-1992	Vincent, et al.	
	A184	US-			
	A185	US-			
	A186	US-			
	A187	US-			
	A188	US-			
	A189	US-			
	A190	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
3W	B46	FR 2741907	06-06-1997	Leighton		
	B47					
	B48					
	B49					
	B50					

Examiner

Date Considered

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Substitute for form 1449B/PTO		Application Number	10/625,840
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Filing Date	July 23, 2003
		First Named Inventor	David M. Haugen
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0116.C1
		Customer No.	36735
Sheet 11	of 12	Submission Date	January 13, 2005

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
Z.W.		DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
		YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464	
		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
		Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages	
		Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
		The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
✓		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	

Examiner

Date Considered

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Substitute for form 1449B/PTO		Application Number	10/625,840		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Filing Date	July 23, 2003		
		First Named Inventor	David M. Haugen		
		Group Art Unit	3672		
		Examiner Name	Unknown		
		Attorney Docket Number	WEAT/0116.C1		
		Customer No.	36735		
Sheet	12	of	12	Submission Date	January 13, 2005

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
3W		500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages	
3W		Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996	

Examiner		Date Considered	4/13/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of

1

Application Number	10/625,840
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First Named Inventor	David M. Haugen
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Examiner Name	Unknown
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JWH	A2	6,423,241	09-02-2002	Juhasz, et al	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">Class</div>
	A1	6,536,520	03-25-2003	Snider, et al	
✓	A3	6,725,938	04-27-2004	Pietras	
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
ZHU	A1	6,431,626	03-13-2002	Bouligny	294	86.25	
	A2	6,412,554	07-02-2002	Allen et al.	166	80.1	
	A3	6,360,633	03-26-2002	Pietras	81	57.34	
	A4	6,349,764	02-26-2002	Adams et al.	166	77.53	
	A5	6,311,792	11-06-2001	Scott et al.	175	162	
	A6	6,309,002	10-30-2001	Bouligny	294	86.25	
	A7	6,199,641	01-13-2001	Downie et al.	173	55	
	A8	6,070,500	06-06-2000	Diask et al.	81	57.33	
	A9	6,056,060	6,000,472	Albright et al.	166	380	
	A10	6,000,472	12-14-1999	Albright et al.	166	380	
	A11	5,971,079	10-26-1999	Mullins	166	387	
	A12	5,909,768	06-08-1999	Castille et al.	166	77.1	
	A13	5,836,395	11-17-1998	Budde	166	321	

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*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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ZHU	B1	WO 00/39430	07-06-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B2	WO 00/39429	07-06-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B3	WO 00/11311	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B4	WO 00/11310	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B5	WO 00/11309	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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ZHU	C1	Autoseal Circulating Head; LaFleur Petroleum Services; 1992
	C2	Valves, Wellhead Equipment, Safety System; W-K-M Division, ACF Industries, 1980
	C3	Top Drive Drilling Systems, Canrig, Feb. 97 in Hart's Petroleum Engineer

Examiner	Date Considered
ZHU	4/13/05

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3W	A14	5,803,191	09-08-1998	Mackintosh	175	170	
	A15	5,791,410	08-11-1998	Castille et al.	166	77.1	
	A16	5,735,348	04-07-1998	Hawkins, III	166	285	
	A17	5,645,131	07-08-1997	Trevisani	175	171	
	A18	5,584,343	12-17-1996	Coone	166	387	
	A19	5,577,566	11-26-1996	Albright et al.	175	321	
	A20	5,553,672	09-10-1996	Smith, Jr. et al.	166	382	
	A21	5,503,234	04-02-1996	Clanton	175	52	
	A22	5,501,286	03-26-1996	Berry	175	52	
	A23	5,433,279	07-18-1995	Tessari et al.	173	213	
	A24	5,388,651	02-14-1995	Berry	175	85	
	A25	5,351,767	10-04-1994	Stogner et al.	175	162	
	A26	5,297,833	03-29-1994	Willis, et al.	294	102.2	

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3W	B6	WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B7	2 357 530	06/27/2001	GB	E21B	19/07	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B8	WO 98/32948	07-30-1998	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B9	WO 98/05844	02-2-1998	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B10	EP 0 659 975	06-28-1995	EP	E21B	43/08	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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3W	C4	More Portable Top Drive Installations, Tesco Drilling Technology, 1997
	C5	Portable Top Drives, Drilling Contractor, Cover & 3pp. Sept. 1994
	C6	500 or 650 HCIS TOP DRIVE, Tesco Drilling Technology, 4/98

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zw	A27	5,282,653	02-01-1994	LaFleur et al.	285	110	
	A28	5,255,751	10-26-1993	Stogner	175	203	
	A29	5,251,709	10-12-1993	Richardson	175	220	
	A30	5,191,939	03-09-1993	Stokley	166	379	
	A31	5,036,927	08-06-1991	Willis	175	162	
	A32	5,009,265	04-23-1991	Bailey et al.	166	118	
	A33	4,997,042	03-05-1991	Jordan et al.	166	379	
	A34	4,878,546	11-07-1989	Shaw et al.	173	163	
	A35	4,867,236	09-19-1989	Haney et al.	166	77.5	
	A36	4,836,064	06-06-1989	Slator	81	57.18	
	A37	4,813,493	03-21-1989	Shaw et al.	173	164	
	A38	4,800,968	01-31-1989	Shaw et al.	175	85	
	A39	4,793,422	12-27-1988	Krasnov	175	57	

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zw	B11	WO 96/18799	06-20-1996	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B12	WO 93/07358	04-15-1993	WIPO	E21B	37/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B13	0 525 247 A1	02-03-1993	EP	E21B	3/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B14	GB 2 224 481	09-05-1990	UK	B66C	1/56	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B15	0 171 144 A1	02-12-1986	UK	B66C	1/56	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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zw	C7	500 or 650 ECIS TOP DRIVE, Tesco Drilling Technology, 4/98
zw	C8	Product information, (Sections 1-10) Canrig, 1996
	C9	

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	A41	4,773,689	09-27-1988	Wolters	294	88
	A42	4,765,401	08-23-1988	Boyadjieff	166	77.53
	A43	4,742,876	05-10-1988	Barthelemy et al.	175	7
	A44	4,762,187	08-09-1988	Haney	175	171
	A45	4,759,239	07-26-1988	Hamilton et al.	81	57.34
	A46	4,709,599	12-01-1987	Buck	81	57.18
	A47	4,683,962	08-04-1987	True	173	163
	A48	4,676,312	06-30-1987	Mosing et al.	166	77
	A49	4,649,777	03-17-1987	Buck	81	57.19
	A50	4,625,796	12-02-1986	Boyadjieff	166	77.5
	A51	4,605,077	08-12-1986	Boyadjieff	175	85
	A52	4,604,724	08-05-1986	Shaginian et al.	700	213

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3W	B16	EP 01 62000A1	11-21-1985	EP	E21B	19/06	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	B17	WO 98/11322	09-19-1998	WIPO	E21B	19/16	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	B18	0 285 386	10-05-1988	EP	E21B	19/16	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	B19	WO 99/41485	08-19-1999	WIPO	E21B	19/20	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	B20						<input type="checkbox"/> YES <input type="checkbox"/> NO

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*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
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Examiner	<i>3W</i>	Date Considered	4/13/05
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Bjw	A53	4,593,773	06-10-1986	Skeie	175	85	
	A54	4,570,706	02-18-1986	Pugnet	166	77.5	
	A55	4,529,045	07-16-1985	Boyadjieff et al.	173	164	
	A56	4,494,424	01-22-1985	Bates	81	57.18	
	A57	4,449,596	05-22-1984	Boyadjieff	175	85	
	A58	4,437,363	03-20-1984	Haynes	81	57.18	
	A59	4,320,915	03-23-1982	Abbott et al.	294	96	
	A60	4,100,968	07-18-1978	Delano	166	315	
	A61	3,913,687	10-21-1975	Gyongyosi et al.	175	85	
	A62	3,857,450	12-31-1974	Guier	175	85	
	A63	3,848,684	11-19-1974	West	175	195	
	A64	3,776,991	12-04-1973	Marcus	264	89	
	A65	3,766,320	10-16-1973	Homme	179	5R	

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ZWH	A66	3,747,675	07-24-1973	Brown	166	237	
	A67	3,691,825	09-19-1972	Dyer	73	136A	
	A68	3,635,105	01-18-1972	Dickmann et al.	81	57.18	
	A69	3,570,598	03-16-1971	Johnson	166	178	
	A70	3,566,505	03-02-1971	Martin	29	200	
	A71	3,380,528	04-30-1968	Timmons	166	14	
	A72	3,193,116	07-06-1965	Kennedy et al.	214	2.5	
	A73	3,041,901	07-03-1962	Knights	81	53	
	A74	1,917,135	07-04-1933	Littell	294	86.15	
	A75	2002/0134555 A1		Allen et al.	166	377	12-07-2001
	A76	2001/0042625		Appleton	166	379	07-30-2001
	A77						
	A78						

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	C17	
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